

Captive Ring on a Pen Blank

Contributed by: Jude A

A.K.A "Jude"



www.penturners.org

This tutorial was downloaded from

<http://www.penturners.org>

The International Association of Penturners - 2013

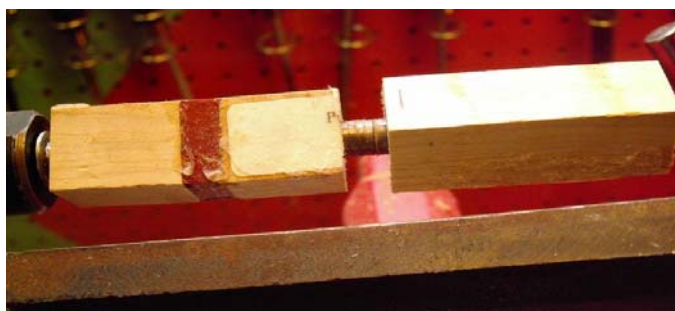
Captive Ring Tutorial by Jude A Sept. 30, 2006



These are the tools and the blank.

The tools are dental picks I purchased from a hardware store. I am not going to bore you in how I prepare the blank. You should be familiar with that.

I am using a different color wood for the ring which will help in showing what I am doing.

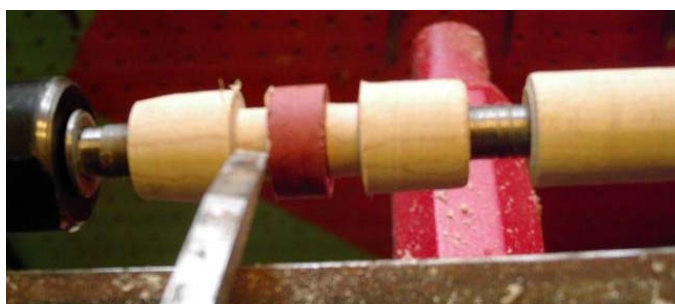


The blank is now on the lathe ready to turn. I use an adjustable mandrel because I tend to over tighten them and bend them.

I have been through 3 so far so this time I bought the adjustable one, so far so good it's still straight.



Turn the blank till round.



Using a parting tool cut either side of where the ring is going to be. Be careful not to cut too deep you need to leave some room to clean up after. Remember how thick the barrel is. I do not measure this, I just do it by sight but you can measure if you want using a calipers.



Remove the wood on either side of the soon to be ring. At this point you need to keep the two sides at a good height. Too small and the ring will fall off the pen. Too big and it will not feel good when you write with it.



Now the fun begins. I turn the lathe down a notch to cut, round over the ring and size it. Using the dental picks start carving out behind the ring. **DO THIS EASY AND SLOW THE PICKS WILL HEAT UP.** I Swap from side to side and change picks because of this.



Before you cut all the way through the ring **STOP!!!!** At this time you need to sand and polish the ring, It will be a lot easier to do this now while it is still connected.



Now back to the dental picks. Time to release the ring. As you now notice there is burning on the wood. For this reason I did not take off too much off before.



I use double sided tape to hold the sandpaper on.



Now finish by straightening the shaft where the ring is and finish the bottom of the pen as you see fit.

Sand and finish.



At this point you are ready for assembly.



Finished. Now just shake, rattle and write.



Here's another pen with double rings.

Jude A